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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. RCA 89762	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97 (Use several sheets if necessary)				APPLICANT Edward Allen Hall et al.	
				FILING DATE	
				GROUP	

U.S. PATENT DOCUMENTS							
EXAMINE INITIAL	DOCUMENT NUMBER	ISSUE DATE	APPLICANT/PATENTEE		CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA 5678211	10/1997	Badger		455	191.1	
	AB 4510623	4/1985	Bonneau et al.		455	181	
	AC 5737035	4/1998	Rotzoll		348	725	
	AD 6075570	6/2000	Usui et al.		348	569	
	AE 5898398	4/1999	Kumai		341	176	
	AF 5898608	4/1999	Yokoyama et al.		702	107	
	AG 5828266	10/1998	Couet		329	325	
	AH 6035185	3/2000	Dobrovolny et al.		455	266	
	AI 5724546	3/1998	Tsutsui		395	444	
	AJ 5561461	10/1996	Landis et al.		348	725	
	AK 5488711	1/1996	Hewitt et al.		395	430	
	AL 5371709	12/1994	Fisher et al.		365	226	
	AM 5115316	5/1992	Gurley et al.		358	188	
	AN 5020139	5/1991	Keenan		455	151	
	AO 4926264	5/1990	Ohno et al.		358	349	
	AP 4914517	4/1990	Duffield		358	191.1	
	AQ 4768229	8/1988	Benjamin et al.		380	20	
	AR 4737993	4/1988	DeVilbiss		455	180	
	AS 5204645	4/1993	Hohmann (see ref. AU)		334	1	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	PUBL. DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION Yes No
	AT 0389183	9/1990	EP		H03J	5/02	
	AU 0457932	11/1991	EP (see ref. AS)		H03J	5/24	X

OTHER INFORMATION (Including Author, Title, Pub.Date, Pertinent Pages, Country, Etc.)							
AV	Y. Deville, "An Automatic TV Tuner Alignment System", IEEE Transactions on Consumer Electronics, US, IEEE, Inc. New York, vol. 41, no. 4, 1 November 1995, pgs 1050-1060						
AW	Motorola, MC44864, Advance Information PLL TUNING CIRCUIT WITH 1. GHz PRESCALER AND D/A CONVERTERS FOR AUTOMATIC TUNER ALIGNMENT, 1996, pgs. 1-12						

EXAMINER	DATE CONSIDERED
SUBMITTED BY: KUNIYUKI AKIYAMA	REG. NO.: 43, 314

*Copy of search report attached

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Feb 22, 2002